

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	166	398/161.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/19 11:58
S1	4	"619107".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/02 16:38
S2	232	398/118.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/17 17:23
S3	150	398/130.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 10:24
S4	48	398/118.ccls. and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 10:21
S5	5	398/118.ccls. and optical antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 10:22
S6	5	398/130.ccls. and optical antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/17 09:47
S7	20	398/118.ccls. and optical filter	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 10:16
S8	24	398/118.ccls. and antenna and filter	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 12:01
S9	2	398/118.ccls. and optical antenna and optical filter	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 13:10
S10	0	398/130.ccls. and optical atenna and optical filter	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 10:24

## EAST Search History

S11	2	398/130.ccls. and optical antenna and optical filter	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 10:27
S12	2	optical antenna and optical filter and dual wavele\$5 and align\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 10:28
S13	9	optical antenna and optical filter and (multiple or separat\$5 wavele\$5) and align\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 11:53
S14	10720	antenna and filter and (multiple or separat\$5 wavele\$5) and align\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 11:53
S15	333	antenna and filter and ((multiple or separat\$5) wavele\$5) and align\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 11:53
S16	4	optical antenna and optical filter and ((multiple or separat\$5) wavele\$5) and align\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 11:57
S17	8	optical antenna and optical filter and ((different or separat\$5) wavele\$5) and align\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 12:00
S18	8	optical antenna and optical filter and ((different or separat\$5) (wavele\$5 or lambda)) and align\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 12:48
S19	10	optical antenna and optical filter and ((different or separat\$5) (wavele\$5 or lambda)) and (align\$5 or parallel or straight\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 13:29
S20	6620	laser with ((different or separat\$5) (wavele\$5 or lambda)) and (align\$5 or parallel or straight\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 12:51
S21	444	laser with ((different or separat\$5) (wavele\$5 or lambda)) with (align\$5 or parallel or straight\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 13:09
S22	1	laser with ((different or separat\$5) (wavele\$5 or lambda)) with (align\$5 or parallel or straight\$5) and optical antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 12:52

## EAST Search History

S23	2	laser with ((different or separat\$5) (wavele\$5 or lambda)) with (align\$5 or parallel or straight\$5) and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 12:55
S24	7	laser with ((different or separat\$5) (wavele\$5 or lambda)) same (align\$5 or parallel) and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 12:59
S25	7	(laser or transmitter driver) with ((different or separat\$5) (wavele\$5 or lambda)) same (align\$5 or parallel) and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 12:59
S26	19	(laser or transmit\$5 or driver) with ((different or separat\$5) (wavele\$5 or lambda)) same (align\$5 or parallel) and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 13:00
S27	0	(receiv\$5 or detect\$5) with align\$5 with "90" and optical antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 13:31
S28	112	(receiv\$5 or detect\$5) with align\$5 with "90" and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 13:11
S29	43	(receiv\$5 or detect\$5) with align\$5 with "90" and antenna and optical	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 13:12
S30	329	((receiv\$5 or detect\$5) with align\$5 with ("90" near1 degre\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 13:13
S31	804	((receiv\$5 or detect\$5) with (align\$5 or parall\$5) with ("90" near1 degre\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 13:13
S32	1	((receiv\$5 or detect\$5) with (align\$5 or parall\$5) with ("90" near1 degre\$5)) and optical antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 13:15
S33	33	((receiv\$5 or detect\$5) with (align\$5 or parall\$5) with ("90" near1 degre\$5)) and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 13:21
S34	7	((receiv\$5 or detect\$5) with (align\$5 or parall\$5) with ("90" near1 degre\$5)) and antenna and optical	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 13:25

## EAST Search History

S35	1484947	("90" degree\$5) or perpendicular\$5 or (right angle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 13:28
S36	7	optical antenna and optical filter and ((different or separat\$5) (wavele\$5 or lambda)) and (align\$5 or parallel or straight\$5) and S35	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 13:29
S37	8354	(receiv\$5 or detect\$5) with align\$5 with S35	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 13:31
S38	0	(receiv\$5 or detect\$5) with align\$5 with S35 and optical antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 13:31
S39	113	(receiv\$5 or detect\$5) with align\$5 with S35 and free space	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 13:32
S40	210	(receiv\$5 or detect\$5) with align\$5 with S35 and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 13:33
S41	66	(receiv\$5 or detect\$5) with align\$5 with S35 and antenna and optical	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 13:47
S42	5	yen-kelson.in:	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 13:49
S43	2	victor taichung machinery works.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 13:51
S44	91	optical communicat\$5 with building and (fso or free space)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 16:31
S45	18	optical communicat\$5 with building and (fso or free space) and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 17:17
S46	437	antenna with building and (fso or free space)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 17:18

## EAST Search History

S47	8	optical antenna with building and (fso or free space)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 17:17
S48	52	antenna with building and ((fso or free space) with optical)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 17:20
S49	23	antenna with building and ((fso or free space) with optical) and mount\$5 and align\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 17:21
S50	2	antenna with mount\$5 with align\$5 same building and (fso or free space)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 17:22
S51	0	optical antenna with mount\$5 with align\$5 same building	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 17:23
S52	0	optical antenna same mount\$5 same align\$5 same building	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 17:23
S53	87	antenna same mount\$5 same align\$5 same building	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 17:23
S54	18	antenna same mount\$5 same align\$5 same building and optical	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 17:24
S55	123	398/128.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 17:25
S56	201	398/129.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 17:25
S57	150	398/130.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 17:25
S58	207	398/131.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/03 17:26

## EAST Search History

S59	21	optical antenna and (S55 or S56 or S57 or S58)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 08:31
S60	57	antenna with convex lens	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 08:19
S61	232	398/118.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 08:32
S62	150	398/130.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 08:32
S63	123	398/128.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 08:32
S64	201	398/129.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 08:32
S65	150	398/130.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 08:32
S66	207	398/131.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 08:32
S67	11	((align\$5 or parallel\$5 or ajust\$5) with antenna) and (S61 or S62 or S63 or S64 or S65 or S66)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 08:34
S68	25	((align\$5 or parallel\$5 or ajust\$5) same antenna) and (S61 or S62 or S63 or S64 or S65 or S66)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 08:37
S69	1	(duplex or bidirectional) with antenna same convex lens and free space	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 08:38
S70	1	(duplex or bidirectional) with antenna same convex and free space	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 08:38

## EAST Search History

S71	3	(duplex or bidirectional) same antenna same convex and free space	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 08:39
S72	3	(duplex or bidirect\$5) same antenna same convex and free space	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/07 08:17
S73	6	(duplex or bidirect\$5) and free space same convex	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 08:40
S74	10	(duplex or bidirect\$5) same free space and convex	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 08:40
S75	7	398/138.ccls. and free space	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 09:20
S76	3	398/138.ccls. and convex	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 09:22
S77	287606	convex or revers\$5 Galilean telescope or telescope same bidirect\$5 or duplex\$5 and point to point	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 09:23
S78	138	(convex or revers\$5 Galilean telescope or telescope) same bidirect\$5 or duplex\$5 and point to point	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 09:29
S79	0	(convex or revers\$5 Galilean telescope or telescope) same (bidirect\$5 or duplex\$5) and point to point	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 09:29
S80	31	(convex or revers\$5 Galilean telescope or telescope) same (bidirect\$5 or duplex\$5) and free space	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 09:49
S81	118	(convex or revers\$5 Galilean telescope or telescope) same antenna same align\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 09:50
S82	23	(convex or revers\$5 Galilean telescope or telescope) same antenna same align\$5 and building	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 10:07

## EAST Search History

S83	1	network with free space and convex with different wavele\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 10:08
S84	1	network with free space and convex with dual wavele\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 10:09
S85	1	network same free space and convex same (differ\$5 or separat\$5) wavele\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 10:10
S86	0	network same free space and convex same (differ\$5 or separat\$5) color	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 10:10
S87	0	network same free space and convex same (differ\$5 or separat\$5) lambda	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 10:10
S88	0	network same free space and convex same (differ\$5 or separat\$5) frequency	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 10:11
S89	0	(network same free space) and (convex same (differ\$5 or separat\$5) frequency)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 10:11
S90	0	(LAN same free space) and (convex same (differ\$5 or separat\$5) frequency)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 10:11
S91	1	(LAN same free space) and (convex same (differ\$5 or separat\$5) waveleng\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 10:12
S92	0	(internet same free space) and (convex same (differ\$5 or separat\$5) waveleng\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 10:12
S93	2	"6726332".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 10:18
S94	0	((self align\$5 or self adjust\$4) antenna) same (duplex or bidirect\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 11:19



## EAST Search History

S95	0	((self align\$5 or self adjust\$4) antenna) and (duplex or bidirect\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 11:20
S96	0	((self align\$5 or self adjust\$4) receiv) and (duplex or bidirect\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 11:20
S97	1	((self align\$5 or self adjust\$4) receiv\$5) and (duplex or bidirect\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 11:21
S98	8	((align\$5 or adjust\$4) antenna) same (duplex or bidirect\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 11:24
S99	261	((align\$5 or adjust\$4) antenna) and (duplex or bidirect\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 11:24
S100	101	((align\$5 or adjust\$4) with antenna) same (duplex or bidirect\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 11:24
S101	4	((align\$5 or adjust\$4) with antenna) same (duplex or bidirect\$5) and free space	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 13:07
S102	2	dual waveleng\$5 optical transmit\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 13:09
S103	220	dual waveleng\$5 laser	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 13:09
S104	0	dual waveleng\$5 laser same antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 13:09
S105	7	dual waveleng\$5 laser and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 13:11
S106	33	different waveleng\$5 laser and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 13:16

## EAST Search History

S10 7	12	different waveleng\$5 with transmit same laser and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 15:31
S10 8	2	"6804422".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 13:43
S10 9	13	("4330870"   "4807987"   "4932775"   "5060304"   "5142400"   "5204774"   "5390040"   "5619006"   "6031662"   "6052190"   "6381055"   "6496465"   "6597476").PN. OR ("6804422"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/04 13:49
S11 0	16	(four or S63) convex and antenna	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/04 14:26
S11 1	0	(four or S63) convex lens\$4 and antenna	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/04 14:27
S11 2	100	(four or S63) lens\$4 and antenna	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/04 14:27
S11 3	67884	(four or S63) lens\$4 and antenna and duplex or bidirect\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/04 14:27
S11 4	3	(four or S63) lens\$4 and antenna and (duplex or bidirect\$5)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/04 14:30
S11 5	0	(four or S63) lens\$4 and free space and (duplex or bidirect\$5)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/04 14:30
S11 6	332	free space and (duplex or bidirect\$5) same antenna	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/04 14:31
S11 7	32	free space and (duplex or bidirect\$5) same antenna and convex	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/04 14:31
S11 8	0	two waveleng\$5 with transmit same laser and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 15:31
S11 9	61	two waveleng\$5 with transmit same laser	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 15:35

## EAST Search History

S12 0	0	two waveleng\$5 with transmit same laser and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 15:31
S12 1	6	two waveleng\$5 with transmit same laser and free space	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 15:32
S12 2	5	two waveleng\$5 with transmit same free space	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 15:43
S12 3	2	"6381055".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/04 15:43
S12 4	15	("3511998"   "3566126"   "5121242"   "5142400"   "5390040").PN. OR ("6381055"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/04 15:43
S12 5	44	dual with wavele\$5 with transmit\$5 and free space	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/07 09:26
S12 6	45	dual with wavele\$5 with transmit\$5 and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/07 09:31
S12 7	4	dual with wavele\$5 with transmit\$5 and optical antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/07 13:23
S12 8	45	dual with wavele\$5 with transmit\$5 and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/07 09:27
S12 9	8	dual with wavele\$5 with transmit\$5 and antenna and free space	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/07 09:28
S13 0	4	dual with wavele\$5 with transmit\$5 and antenna and lens	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/07 09:32
S13 1	1	dual with wavele\$5 with transmit\$5 same lens and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/07 09:32

## EAST Search History

S13 2	4	dual with wavele\$5 with transmit\$5 and lens and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/07 09:33
S13 3	15	free space and transciev\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/07 11:57
S13 4	4	dual with wavele\$5 with receiv\$5 and optical antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/07 13:30
S13 5	59	dual with wavele\$5 with receiv\$5 and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/07 13:38
S13 6	2563	two with wavele\$5 with (receiv\$5 or transmit) and optics	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/07 13:38
S13 7	336	two with wavele\$5 with (receiv\$5 or transmit) same optics	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/07 13:39
S13 8	12	two with wavele\$5 with (receiv\$5 or transmit) same optics and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/07 13:44
S13 9	56	two with wavele\$5 with (receiv\$5 or transmit) same free space	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/07 14:41
S14 0	1306	optical with receiv\$5 with convex	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/07 14:41
S14 1	1	optical receiv\$5 with convex and antenna and free space	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/07 14:42
S14 2	39	optical with receiv\$5 with convex and free space	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/07 14:42
S14 3	0	fixed andntenna same adjustable antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 08:26

## EAST Search History

S14 4	5	fixed antenna same adjustable antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 10:49
S14 5	0	(fixed with transciev\$5) same ((adjustable or movable) with transciev\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 08:32
S14 7	3673512	(adjustable steearable adaptable modifiable changeable variable regulating flexible) antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/08 11:19
S14 8	871212	S146 same S147	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/08 08:34
S14 9	2661650	S146 same S147 same free space	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/08 08:35
S15 0	89608	S146 same S147 same (free space)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/08 08:35
S15 1	4201003	(fixed immovable static motionless stationary) antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/08 08:46
S15 2	2728799	(adjustable steearable adaptable modifiable regulating flexible) antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/08 08:36
S15 3	520022	S151 with S152	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/08 08:36
S15 4	2650521	S151 with S152 same free space	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/08 08:36
S15 5	54079	S151 with S152 same (free space)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/08 08:38
S15 6	3756537	S151 with S152 same (free space) and (dual wavelen\$5) tran\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/08 08:39

## EAST Search History

S15 7	5375148	S151 with S152 same (free space) and ((dual wavelen\$5) trans\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/08 08:39
S15 8	34607	S151 with S152 same (free space) and ((dual wavelen\$5) trans\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/08 08:47
S15 9	18272	S151 with S152 same (free space) and ((dual wavelen\$5) trans\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/08 08:40
S16 0	5216	S151 with S152 same (free space) same ((dual wavelen\$5) trans\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/08 08:40
S16 1	25	S151 with S152 same (free space) same ((dual wavelen\$5) trans\$5) same convex	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/08 08:41
S16 2	3917894	(fixed immovable motionless stationary) antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/08 11:19
S16 3	0	S151 with S152 same (free space) and ((dual wavelen\$5) trans\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 08:47
S16 4	0	S151 same S152 same (free space) and ((dual wavelen\$5) trans\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 08:47
S16 5	18	S151 same S152 and (free space) and (dual wavelen\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 08:53
S16 6	646627	S151 same S152	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 08:54
S16 7	11144	S151 same S152 same building	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 08:54
S16 8	128	S151 same S152 same building same optic	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 08:55

## EAST Search History

S16 9	463	S151 same S152 same building same optic\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 08:55
S17 0	2	S151 same S152 same building and optic\$5 and dual wavele\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 08:56
S17 1	2347	S151 same S152 same building and optic\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 08:57
S17 2	12	S151 same S152 same building and optic\$5 with convex	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 08:59
S17 3	368	optical antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 08:59
S17 4	0	optical antenna with fixable with adjustable	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 11:10
S17 5	368	optical antenna with S151 with S152	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 09:01
S17 6	368	(optical antenna) and S151 with S152	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 09:01
S17 7	368	(optical antenna) and (S151 with S152)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 09:02
S17 8	368	(optical antenna) and (S151 with S152)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 10:33
S17 9	40	wdm optical filter	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 10:38
S18 0	5	optical filter with wavele\$5 with receiv\$5 with free space	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 10:41

## EAST Search History

S18 1	13	optical filter with wavele\$5 with receiv\$5 same free space	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 10:47
S18 2	0	ajustable optical antenna assembly	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 10:47
S18 3	0	ajustable antenna assembly	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 10:48
S18 4	0	ajustable antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 10:48
S18 5	355	adjustable antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 10:48
S18 6	2	adjustable optical antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 10:49
S18 7	1	fixed optical antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 10:49
S18 8	0	fixed antenna same3 adjustable antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 10:49
S18 9	10	fixed antenna and adjustable antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 10:49



## EAST Search History

S19 0	43	("20010018326"   "20010041539"   "20020058503"   "20020071406"   "4553145"   "4859933"   "5228053"   "5361402"   "5419521"   "5442811"   "5444698"   "5465393"   "5548820"   "5613217"   "5663968"   "5673057"   "5754588"   "5784406"   "5787350"   "5896574"   "5930707"   "5978659"   "5978675"   "6031498"   "6041236"   "6052583"   "6085095"   "6150987"   "6167272"   "6169896"   "6188372"   "6201802"   "6239767"   "6253065"   "6255996"   "6262687"   "6282408"   "6285339"   "6405043"   "6456652"   "6466547"   "6512788"   "6538612").PN. OR ("7085592").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/08 10:58
S19 1	5	optical antenna assembly	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 11:12
S19 2	164	optical with antenna with assembly	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 11:18
S19 3	3407387	(adjustable steerable adaptable modifiable changeable variable regulating flexible)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/08 11:19
S19 4	3657955	(fixed immovable motionless stationary)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/08 11:20
S19 5	124	S192 and (S193 or S194)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/08 11:20
S19 6	59	S192 and (S193 and S194)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 11:20
S19 7	151	beam splitter with antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 12:02
S19 8	60	beam splitter with filter with antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 12:03

## EAST Search History

S19 9	0	beam splitter with optica filter with antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 12:03
S20 0	0	beam splitter with optical filter with antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 12:03
S20 1	0	beam splitter same optical filter with antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 12:03
S20 2	60	beam splitter with filter with antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 12:09
S20 3	0	light splitter with filter with antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 12:09
S20 4	14	light with splitter with filter with antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 12:13
S20 5	2	"4636797".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 12:18
S20 6	2	"4652885".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 12:35
S20 7	7305	light\$5 with split\$5 with filter\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 12:35
S20 8	2519	light\$5 with split\$5 with filter\$5 same detect\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 12:36
S20 9	131	light\$5 with split\$5 with filter\$5 same (dual or two wavele\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 12:37
S21 0	3	"619264".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 16:22

## EAST Search History

S21 1	5	"619264".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/08 16:22
S21 2	233	398/118.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/16 14:03
S21 3	83	398/122.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/16 14:34
S21 4	126	398/128.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/16 14:34
S21 6	151	398/130.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/16 14:35
S21 7	210	398/131.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/16 16:33
S21 8	8	"1056173".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/16 16:26
S21 9	134	398/159.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/16 16:35
S22 0	0	("2002/0131121").URPN.	USPAT	ADJ	ON	2006/08/16 16:43
S22 1	0	("2002/0131121").URPN.	USPAT	ADJ	ON	2006/08/16 16:43
S22 2	5	("5030004"   "5142400"   "5917634"   "6323980").PN. OR ("6616352").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/16 16:44
S22 3	9	("5500754"   "5530577"   "5594580"   "5610748"   "5627669"   "5680241"   "5684614"   "6122084"   "6347001").PN. OR ("6968133").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/08/16 16:49
S22 4	204	398/129.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/17 15:39

## EAST Search History

S22 5	151	398/130.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/17 15:47
S22 6	211	398/131.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/17 10:09
S22 7	95	398/156.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/17 10:32
S22 8	9690	mount\$5 with focal	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/17 10:38
S22 9	1108	mount\$5 with focal with (transmit\$5 or receiv\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/17 10:33
S23 0	3548399	transmit\$5 or laser or led	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/17 10:33
S23 1	7623686	receiv\$5 or detect\$5 or pin diod or sensor	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/17 10:34
S23 2	5209	S228 and S231 and S230	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/17 10:36
S23 3	469	S228 with S231 with S230	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/17 10:37
S23 4	2809	mount\$5 with (focal point)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/17 10:39
S23 5	769	mount\$5 near3 (focal point)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/17 10:39
S23 6	426	S235 and S230 and S231	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/17 10:40

## EAST Search History

S23 7	88	S235 same S230 same S231	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/17 10:41
S23 8	3466	industrial technology research institute.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/17 11:05
S23 9	26	industrial technology research institute.as. and focal point	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/17 13:01
S24 0	2	"6507424".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/17 13:04
S24 1	100	binocular with antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/17 14:48
S24 2	24	bifocal with antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/17 14:48
S24 3	83	398/122.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/17 15:39
S24 4	31	398/96.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/17 17:23
S24 5	2	"5594580".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/18 08:12
S24 6	10	"6031648"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/18 08:12
S24 7	0	"6031648.pn."	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/18 08:13
S24 8	2	"6031648".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/18 08:17

## EAST Search History

S24 9	0	"10619107".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/18 08:17
S25 0	4	"619107".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/18 08:17
S25 1	117	detect\$5 with \$5align\$5 with "90" degree	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/18 15:11
S25 2	5	detect\$5 with \$5align\$5 with "90" degree and antenna	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/08/18 15:11